

Docket No.: CG-730
Inventor: Branson et al.
Appl. No.: 09/852,071

IN THE CLAIMS

1-23. (cancelled)

24. (previously presented) A child resistant neck finish, comprising:

a first child resistant container neck having at least one locking lug adjacent a shoulder portion, at least one thread with a first segment having a first thickness extending from a first thread end to a thickened portion and a second segment having a second thickness extending from said thickened portion to a second thread end, said first thickness varying from said second thickness, and said thickened portion defined where said first segment and said second segment merge along said container neck.

25. (previously presented) The child resistant neck finish of claim 24, said axially thickened portion being a spaced from said first thread end and said second thread end and extending about said neck through a preselected radial distance.

26. (previously presented) The child resistant neck finish of claim 24, said at least one thread having a constant pitch.

27. (previously presented) The child resistant neck finish of claim 24 wherein a closure is displaced more rapidly when a corresponding closure thread moves along said thickened portion.

28. (previously presented) A thread for use with a child resistant container, comprising:
a neck having at least one locking lug extending from said neck;
at least one thread comprising a first segment and a second segment;
said first segment extending from a first end to a thickened portion and said second segment extending from said thickened portion to a second end;

Docket No.: CG-730
Inventor: Branson et al.
Appl. No.: 09/852,071

- said first segment being thicker than said second segment;
29. (previously presented) The thread of Claim 28 wherein said thread is selected from a single helix, a double helix, a triple helix, a quad helix or a multiple helix.
30. (previously presented) The thread of claim 28, said at least one locking lug fixedly attached near a shoulder section and having an axial height.
31. (previously presented) The thread of Claim 28, said at least one thread positioned on said neck wherein said first thread segment is disposed near a neck opening and above said second thread segment.
32. (previously presented) The thread of claim 28, said at least one thread positioned on said neck wherein said second thread segment is disposed near a neck opening and above said second thread segment.
33. (previously presented) The child resistant neck finish of claim 28 wherein a closure is displaced more rapidly when a closure thread moves along said thickened portion.
34. (previously presented) A thread for use with a child resistant container, comprising:
a neck having at least one locking lug extending from said neck;
at least one thread comprising a first segment and a second segment;
said first segment extending from a first thread end to a thickened portion and said second segment extending from said thickened portion to a second thread end;
said thickened portion defined by a merging of said first thread segment and said second thread segment;
said first segment being thicker than said second segment.

Docket No.: CG-730
Inventor: Branson et al.
Appl. No.: 09/852,071

35. (previously presented) The thread of claim 34, said first segment and said second segment having a constant pitch.
36. (previously presented) The thread of claim 35, said pitch being not less than a locking lug axial height engagement multiplied by the number of locking lugs present on said neck.
37. (previously presented) The thread of Claim 34, said second segment being disposed above said first segment.
38. (previously presented) The thread of Claim 34, said first thread segment being disposed above said second segment.
39. (previously presented) The thread of Claim 34 wherein said thread is selected from a single helix, a double helix, a triple helix, a quad helix or a multiple helix configuration.
40. (previously presented) A child resistant closure and bottle combination comprising:
- a. a child resistant container having a neck and at least one container locking lug extending from said neck, said neck further including at least one thread extending helically along said neck;
 - b. a child resistant closure having at least one closure locking lug defining an axial height and being adapted to matingly engage said container locking lug, at least one closure thread helically extending along an inner surface of said skirt adapted to matingly engage said neck thread, said at least one thread having a first segment extending from a first thread end to a thickened portion and a second thread segment extending from said thickened portion to a second thread end, said thickened portion defined by a merging of said first thread segment and said second thread segment, said first segment being thicker than said second segment.

Docket No.: CG-730
Inventor: Branson et al.
Appl. No.: 09/852,071

41. (previously presented) The combination of claim 40, said first closure thread segment being disposed axially below said second closure thread segment.
42. (previously presented) The combination of claim 40, said first closure thread segment being disposed axially above said second closure thread segment.
43. (previously presented) The child resistant neck finish of claim 40 wherein a closure is displaced more rapidly when a container thread moves along said thickened portion of said at least one closure thread.
44. (new) A child resistant neck finish, comprising:
a first child resistant container neck having at least one locking lug adjacent a shoulder portion, at least one thread having a first thread end, a second thread end, and first thickness extending from a first thread end to a thickened portion, said thickened portion having a tapered thread face causing a closure to rise at an increased rate as said closure is threadably removed from said container neck.
45. (new) The child resistant neck finish of claim 44, said first thread end being at a lower end of said at least one thread.
46. (new) The child resistant neck finish of claim 45, said thickened portion being at an upper end of said at least one thread between said first thread end and said second thread end.
47. (new) The child resistant neck finish of claim 44, said first thread end being at an upper end of said at least one thread.
48. (new) The child resistant neck finish of claim 47, said thickened portion being at a lower end of said at least one thread.

Docket No.: CG-730
Inventor: Branson et al.
Appl. No.: 09/852,071

46. (new) The child resistant neck finish of claim 44, said at least one thread being further tapered into said container neck at said first thread end.
47. (new) The child resistant neck finish of claim 44, said at least one thread having a constant pitch.
48. (new) The child resistant neck finish of claim 44, said at least one thread having a constant thickness between a lower thread end and said thickened portion.
49. (new) A child resistant neck finish, comprising:
a container neck extending from a shoulder portion;
said neck having at least one locking lug adjacent said shoulder on said neck;
at least one thread having a first tapered thread end and a second tapered thread end, a thread segment having a thickness greater than said first and second thread ends, and a thickened portion causing a closure to rise at a faster rate;
said thickened portion located along said segment between said first and second tapered thread end.
50. (new) The child resistant neck finish of claim 49, said at least one thread segment having a constant pitch.
51. (new) The child resistant neck finish of claim 49, said at least one thread segment having a constant thickness.